

ABSTRACT OF THE DISCLOSURE

A Unified Memory may store multiple types of content such as data or fast code or slow code. The data or code may be stored in separate arrays or in a common array. In an array, a tag bit may indicate the type of content such as data or fast code or slow code or single level or multilevel content. Tag bit may indicate communication interface or IO driver type. Sense amplifiers may be configurable based on the type of data being read. A Flash Security Measure is used to protect a protected memory area. A Flash Security Key is used for authentication and authorization a particular memory area. A XCAM (e.g., CAM) array is included in the Unified Memory. Unified Memory Concurrency is included.